

PAT-NO: JP411142117A

DOCUMENT-IDENTIFIER: JP 11142117 A

TITLE: OBJECT MEASURING METHOD AND ITS EQUIPMENT AND
STORAGE MEDIUM OF CONTROL PROGRAM FOR OBJECT MEASUREMENT

PUBN-DATE: May 28, 1999

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APPL-NO: JP09322098

APPL-DATE: November 6, 1997

INT-CL (IPC): G01B011/00, G01B011/26 , G06T007/00

ABSTRACT:

PROBLEM TO BE SOLVED: To perform measuring process of high precision without being affected by noise.

SOLUTION: In an equipment which processes an image obtained by sensing an object and measures the position and the direction of the object, the edge extraction result to an input image is displayed on a monitor image plate, and specified edge constituting points E0-E6 are designated every contour line of the object. Coordinates of each designated point are recognized by a CPU, and edge intervals D1-D4 in the (x) and (y) axis directions are calculated. Each of the calculated values is compared with a previously stored reference edge interval. When the difference between each of the edge intervals D1-D6 and the corresponding reference edge interval is in the range of a threshold value, the edge extraction result is judged to be adequate, and measuring process is

executed.

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